

BOOK REVIEW

Insect clocks, by D. S. Saunders. 1976. Pergamon Press, Inc., Maxwell House, Fairview Park, Elmsford, N.Y. 10523. Hardbound, 280p., \$18.50.

Saunders has done a good job of reviewing the recent literature and outlining the available information on insect clocks. It is a comprehensive study of "those phenomena in which 'environmental time' has a functional significance in the life of insects, enabling them to perform behavioural or physiological events at the 'right time' of the day, month, year or tide." The first 3 chapters probably will be of most interest to the majority of the members of The Coleopterists Society—(1) Introduction: Rhythms and clocks, (2) Circadian rhythms of activity in individual insects, and (3) Circadian rhythms of activity in populations of insects. Most of the remaining 7 chapters should be of interest to those conducting research in the area of insect physiology. At the end of each chapter is an annotated summary of the major concepts covered. The first part of the Appendix includes a very useful glossary and a list of symbols which are used to describe clock phenomena. Tables 1 and 2 in the Appendix should be of special interest to the entomologist. These tables provide information on the rhythms of activity exhibited by individual insects and by populations of insects (15 species of Coleoptera are included). Approximately 700 references help to make this volume a worthwhile contribution to entomology.

—Paul P. Shubeck

BOOK NOTICES

Animal population ecology, by J. P. Dempster. 1975. Academic Press, 111 Fifth Ave., N.Y., NY 10003. Hardbound, 156p., \$10.00.

The insect integument, edited by H. R. Hepburn. 1976. North-Holland, Amsterdam, and Elsevier Publishing Co., 52 Vanderbilt Ave., N.Y., NY 10017. Hardbound, 572p., \$63.50.

Insect development, edited by P. A. Lawrence. 1976. Halsted Press (Div. of John Wiley & Sons, Inc.), 605 Third Ave., N.Y., NY 10016. Hardbound, 230p., \$25.00.

Insects and history, by J. L. Cloudsley-Thompson. 1976. St. Martin's Press, Inc., 175 Fifth Ave., N.Y., NY 10010. Hardbound, 242p., \$18.95.

The ethology of predation, by E. Curio. 1976. Springer Verlag New York, Inc., 175 Fifth Ave., N.Y., NY 10010. Hardbound, 252p., \$29.60.

Animal agents and vectors of human disease, 4th ed., by E. C. Faust and P. C. Beaver. 1975. Lea & Febiger, 600 S. Washington Sq., Phila., PA 19106. Hardbound, 143p., \$11.75.

Evolution of desert biota, edited by David W. Goodall. 1976. Univ. of Texas Press, P. O. Box 7819, Austin, TX 78712. Hardbound, 250p., \$12.95.

—Paul P. Shubeck